

LAND APPLICATION SITE

CIVIL WAR TRUST

ORCWT 1-16

ORANGE COUNTY

MAPPED

AUG 02 2016

By: DBA

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 11/9/15 between Civil War Trust referred to here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in ORANGE, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
0220000000066A			
22-67			
22-69			
11-42			
11-43			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 36 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

Class B biosolids Water treatment residuals Food processing waste Other industrial sludges
☒ Yes ☐ No ☒ Yes ☐ No ☒ Yes ☐ No ☒ Yes ☐ No

X MATTHEW GEORGE - LAND STWARDSHIP MGR. [Signature] 1156 15TH ST, NW
Landowner - Printed Name, Title Signature Mailing Address & Phone Number
WASHINGTON, DC 20005
(202) 367-1861

Permittee:

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

[Signature] [Signature] PO Box 562 Remington, Virginia 22734
Permittee - Authorized Representative Signature Mailing Address
Printed Name

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc County or City: orange
Landowner: Civil War Preservation Trust

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil.
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days;
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

MATTHEW GEORGE - LAND STEWARDS MGR.

Landowner's Signature

Date

Farm Operator Signature

Mailing Address & Phone Number

9091 Pine Bluff Lane
Newport News VA
23608

FARM DATA SHEET

SITE NAME:	Civil War Trust	COUNTY:	Orange
OWNER:	Civil War Preservation Trust c/o Civil War Trust; Matthew George Land Stewardship Manager	OPERATOR:	Shiloh Bates
OWNER'S ADDRESS:	1156 15 th St. NW Suite 900 Washington, DC 20005	OPERATOR'S ADDRESS:	9091 Pine Glade Lane Mine Run, VA 22508
OWNER'S TELEPHONE:	202-367-1861	OPERATOR'S TELEPHONE:	540-854-7313
GENERAL FARM TYPE:	Hay/ Pasture	CELL PHONE:	540-538-7345
# CATTLE:	100	EMAIL:	-
LAGOON or SLURRY:	None	LATITUDE:	38.332
TOPO QUAD:	Mine Run	LONGITUDE:	77.810
COMMENTS:	Please check all fields for rock outcrops and drainage areas prior to field operations.		
*Trucks must use logging roads off of Route 614			
to access Fields 5-12!*			

BB*

RECYC SYSTEMS, INC

FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/Shallow	Surf/Leach	Freq Flood			
ORCWT 1	30.7	LgB Dec.-May	-	-	-	RA 42	TM 22-66A	T 1211 F 9
ORCWT 2	5.5	-	-	-	-	RA 42	TM 22-66A	T 1211 F 9
ORCWT 3	21.1	LgB Dec.-May	-	-	-	RA 42	TM 22-67	T 1212 F 1
ORCWT 4	7.5	-	-	-	-	RA 42	TM 11-42	T 1211 F 10
ORCWT 5	14.8	LgB Dec.-May	-	-	-	RA 42	TM 22-66A	T 1211 F 5
ORCWT 6	16.7	LgB Dec.-May	-	-	-	RA 42	TM 22-66A	T 1211 F 6
ORCWT 7	21.7	Eb Nov.-May	-	-	-	RA 42	TM 22-66A	T 1211 F 7
ORCWT 8	19.7	-	-	-	-	RA 42	TM 22-66A	T 1211 F 4
ORCWT 9	17.0	OgB2 Dec.-May	-	-	-	RA 42	TM 22-66A	T 1211 F 2
ORCWT 10	16.9	LgB Dec.-May OgB2 Dec.-May	-	-	-	RA 42	TM 22-66A	T 1211 F 1
ORCWT 11	6.4	-	-	-	-	RA 42	TM 11-43	T 3102 F 1
ORCWT 12	17.4	LgB Dec.-May OgB2 Dec.-May	-	-	-	RA 42	TM 22-66A	T 1211 F 3, 11, 17

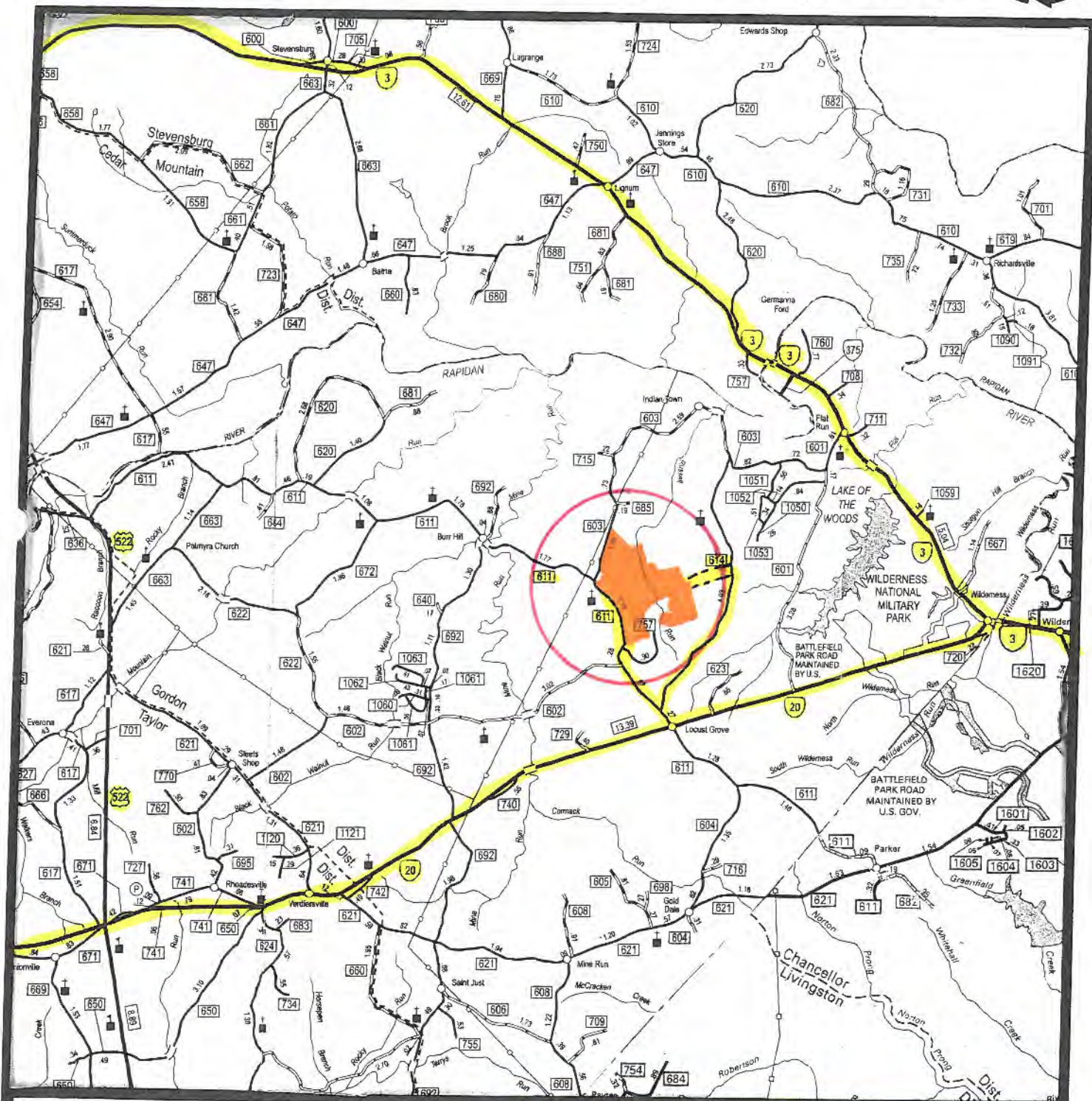
ORCWT 13	27.9	LgB Dec.-May	-	-	-	RA 42	TM 11-43	T 3102 F 5
ORCWT 14	9.5	-	-	-	-	RA 42	TM 11-43	T 3102 F 2
ORCWT 15	13.6	-	MrD	-	-	RA 42	TM 11-43	T 3102 F 2
ORCWT 16	11.5	LgB Dec.-May	MrD	-	-	RA 42	TM 11-43	T 3102 F 3
TOTAL ACRES IN SITE	257.9							

[illegible]

MAPS

Recyc SystemsTM Inc.

(Biosolids Land Application)



Highlighted rds depict Haul routes

Scale: 1" = 2 miles

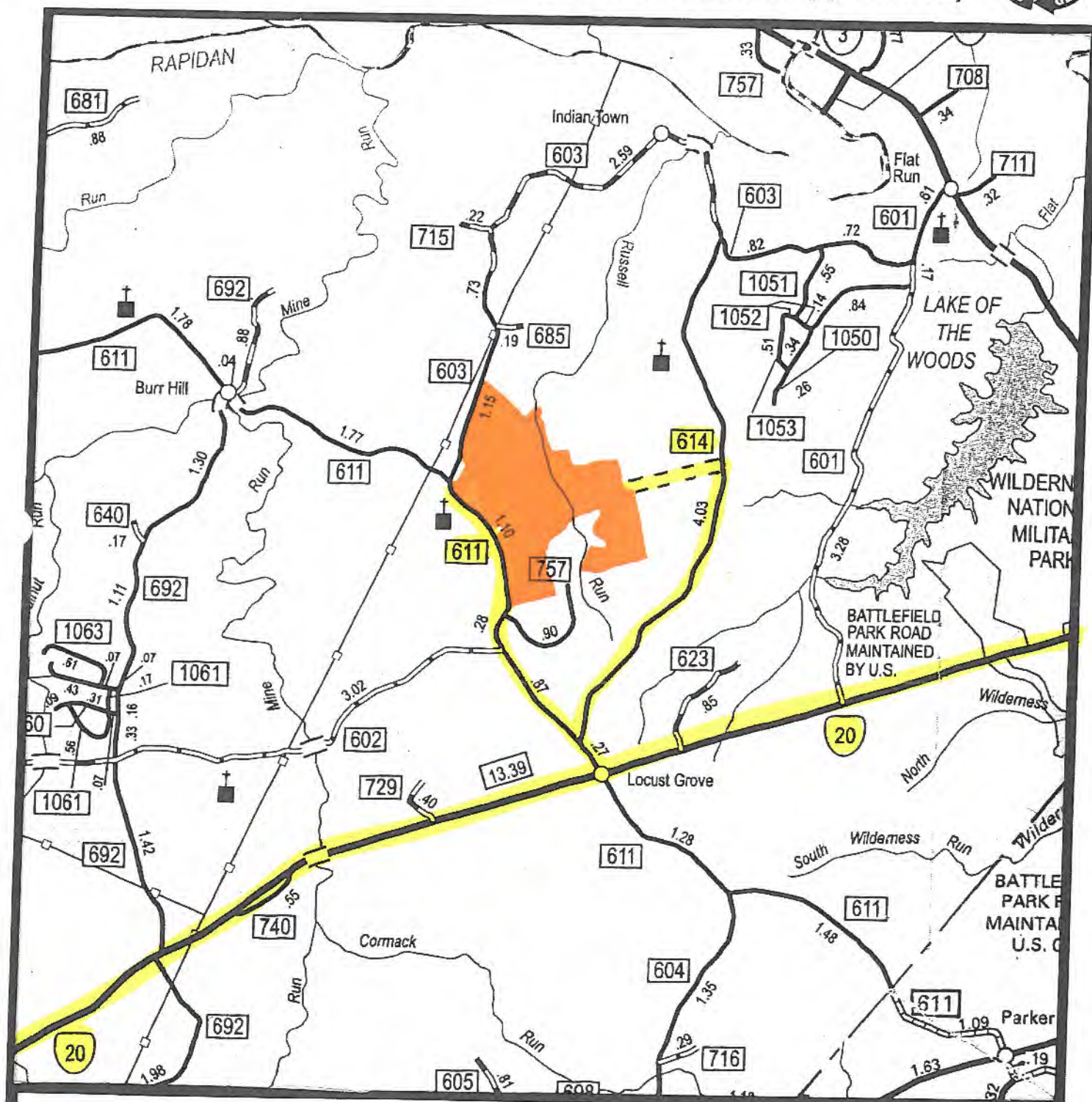
ORCWT 1-16

VICINITY MAP



Inc.

(Biosolids Land Application)



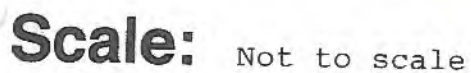
Scale: 1" = 1 mile

ORCWT 1-16

VICINITY MAP



(Biosolids Land Application)



ORCWT 1-16

TAX MAP

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(Biosolids Land Application)



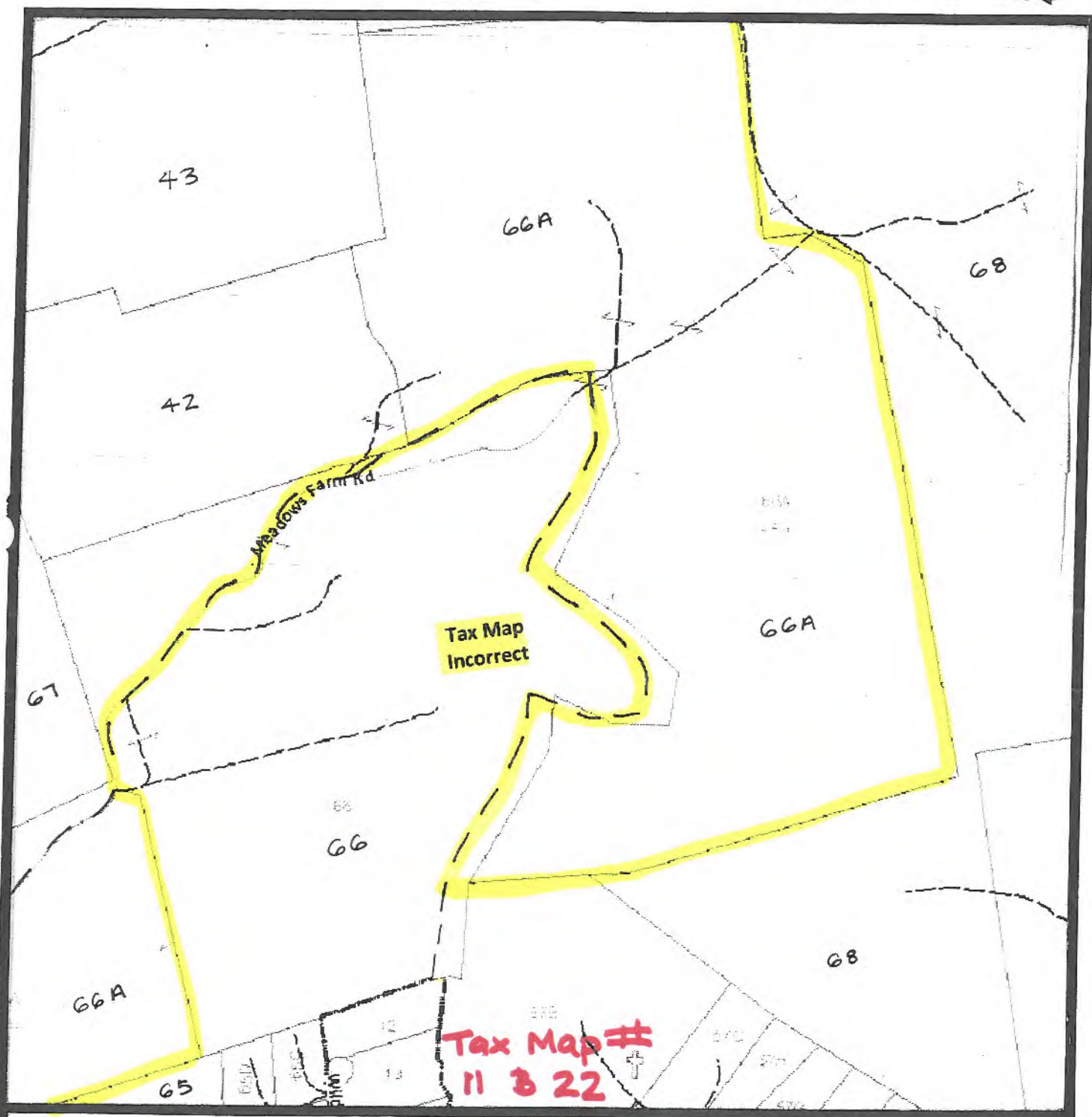
ORCWT 1-4

TAX MAP

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Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1" = 660 ft.

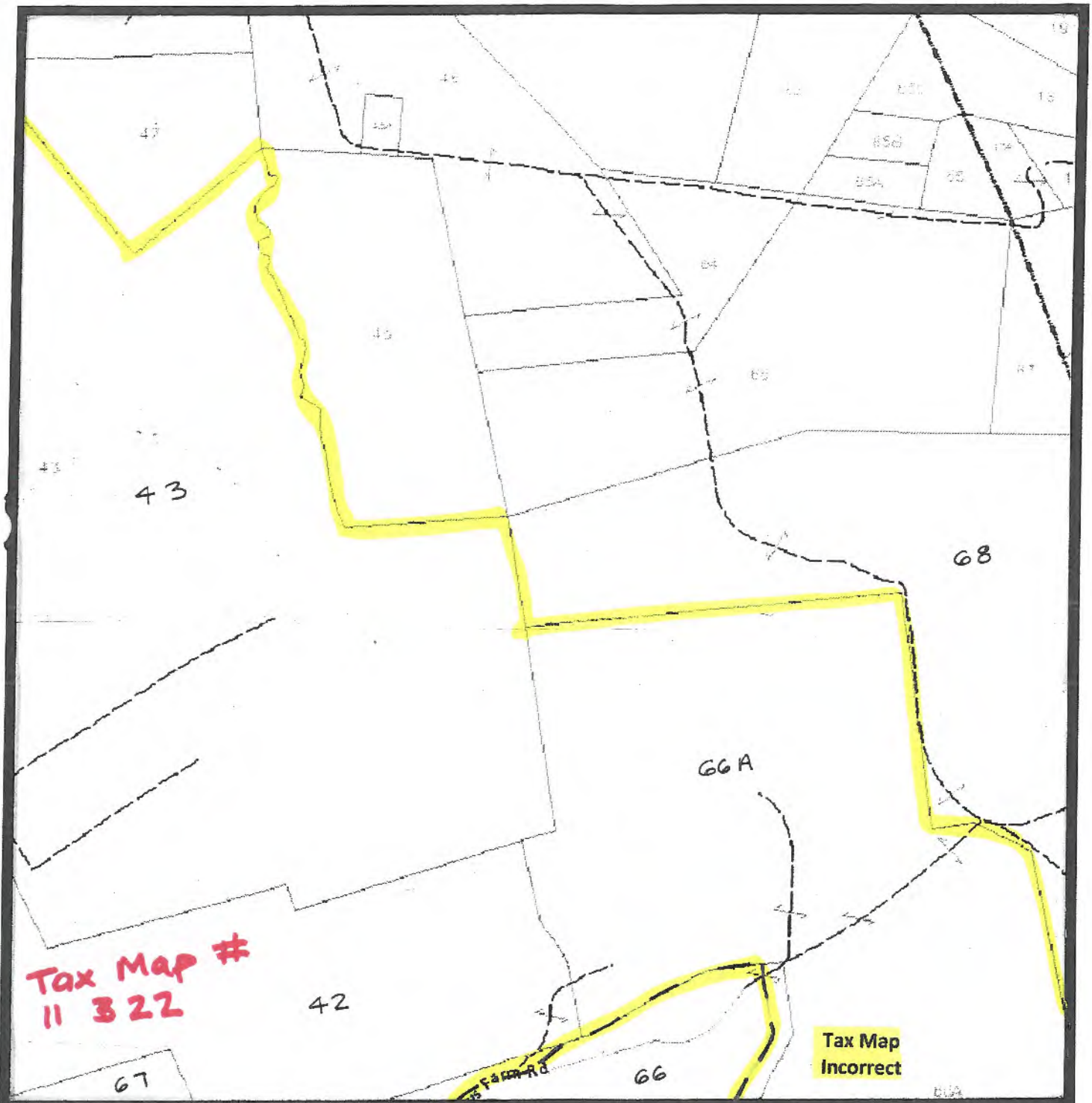
ORCWT 4-11, 16

TAX MAP

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Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1" = 660 ft.

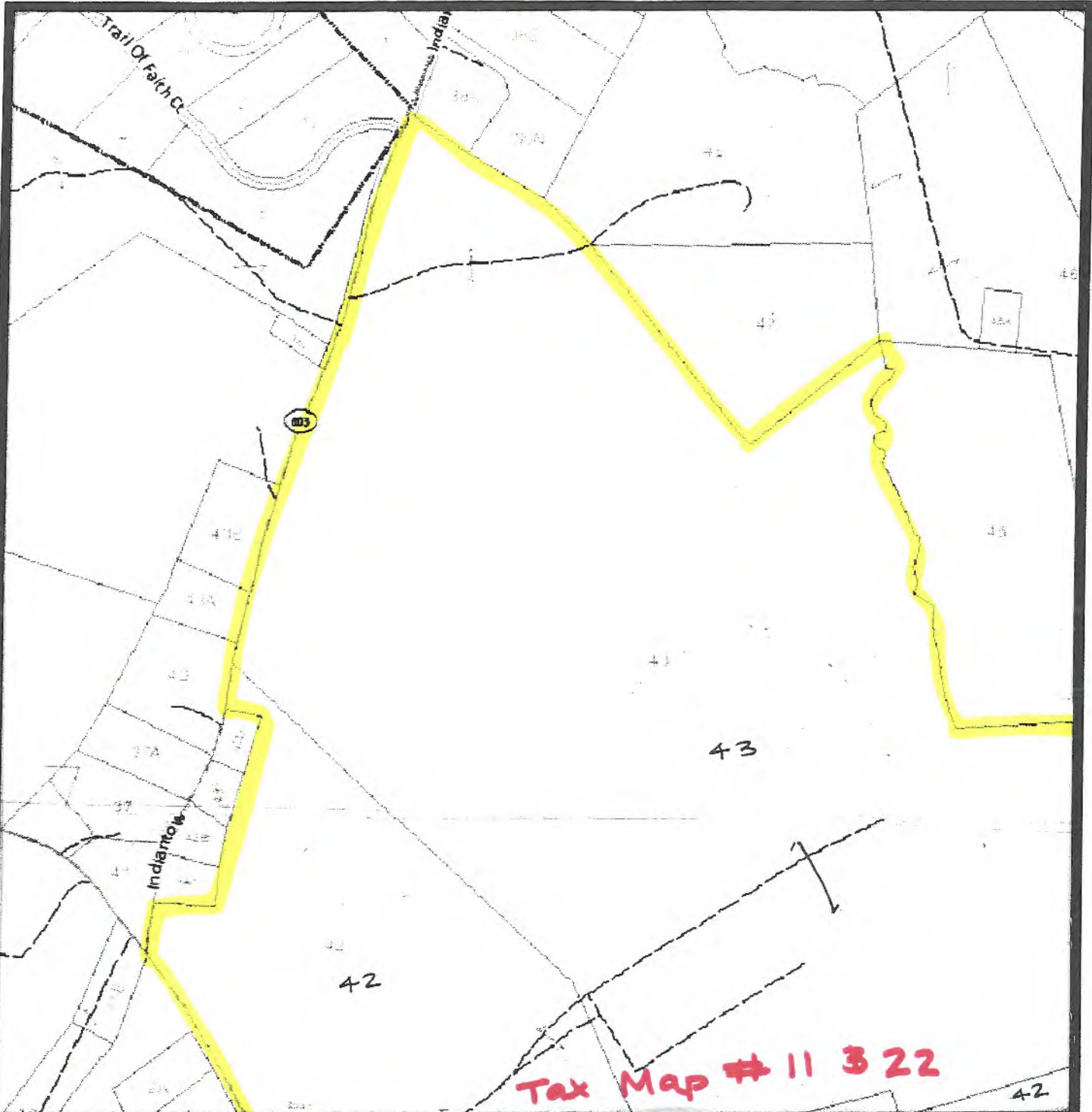
ORCWT 8-16

TAX MAP

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Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1" = 660 ft.

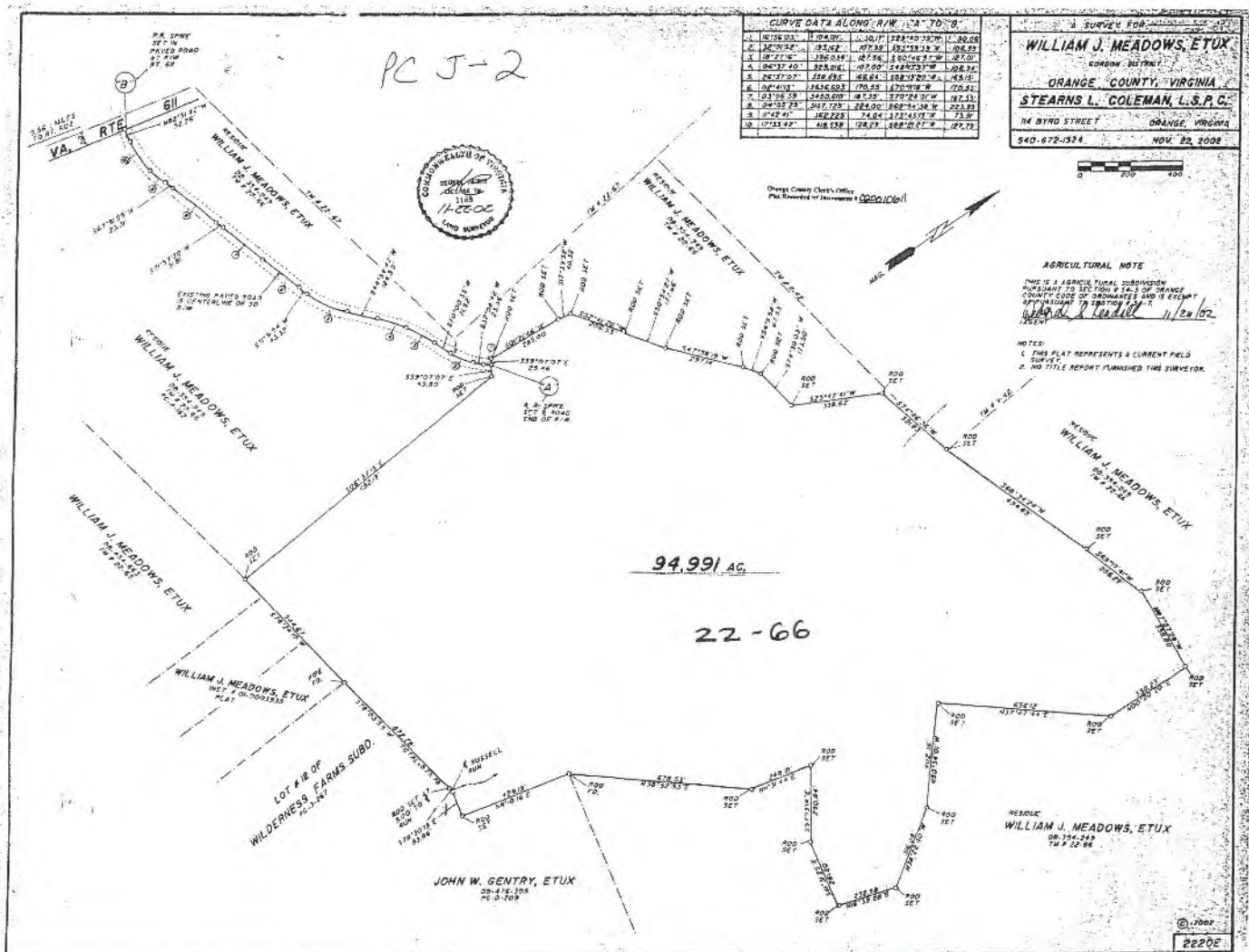
ORCWT 13-16

TAX MAP

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Recyc SystemsTM Inc.

(Biosolids Land Application)



Supplemental plat 1 TM 22-66

Scale: 1" = 660 ft.

ORCWT

TAX MAP

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Beginning at a point at the northwest corner of the property herein conveyed on the line of property now or formerly owned by Goodwin, which point is N. 76° 40' E. 325 feet from State Route 611; thence extending N. 76° 40' E. 1916 feet to a stake; thence S. 6° 10' E. 742 feet to a stake; thence S. 38° 45' W. 1368 feet along the land property now or formerly owned by Allman to a stake; thence N. 47° 30' W. 1579 feet along the property now or formerly owned by Smith to a point; thence N. 14° 25' E. 305 feet to the point of beginning; it being a part of the property conveyed to I. B. Brooks and Robert C. Brooks by deed from A. Stuart Robertson, Jr., Special Commissioner, dated September 12, 1953, recorded in the Clerk's Office of Orange County, Virginia, in Deed Book 159, page 479.

Together with a non-exclusive easement of right of way 30' in width from premises to State Route 611 described in Easement Agreement between Sallie Ann Lewis and Continental Hopewell Woodlands, Inc., dated March 12, 1984 and recorded in Deed Book 357, Page 855.

LESS AND EXCEPT 2.078 acres, more or less, conveyed by deed recorded in Deed Book 546, Page 420. And 2.1031 acres, more or less, Parcel A and 2.0848 acres, more or less, Parcel B. Both as shown on plat recorded as Instrument #010003935.

PARCEL THREE: (Tax Map 22-67)

All that certain lot or parcel of land situate, lying and being in Gordon District, Orange County, Virginia containing 41.396 acres, more or less, as shown on plat prepared by Wylie E. Herndon, L.S., dated February 1, 1985 and recorded in Plat Cabinet C, Page 200 in the Clerk's Office of the Circuit Court of Orange County, Virginia.

PARCEL FOUR: (Tax Map 22-66)

All that certain tract or parcel of land with the buildings and improvements thereon containing 301.63 acres, more or less, situated approximately two (2) miles north of Locust Grove in Gordon Magisterial District, Orange County, Virginia, fronting on State Secondary Route Number 611, and being shown and described on Sheet 1 of a plat of survey of a portion of the land of Goodwin Brothers Lumber Company made by Stearns L. Coleman, C.L.S., dated November 30, 1983, which plat is recorded among the land records of the Clerk's Office of the Circuit Court of Orange County, Virginia, in Plat Cabinet A, page 162. The property is composed of the following tracts of land:

Tract One: A tract of land containing forty (40) acres, more or less, conveyed to W. T. Goodwin and R. T. Goodwin, t/a Goodwin Brothers Lumber Company, by Vivian G. Dickinson and Edna D. Dickinson, his wife, by deed dated November 6, 1952, and recorded in the Clerk's Office of the Circuit Court of Orange County, Virginia, in Deed Book 156, page 335.

Tract Two: A tract of land containing 261.63 acres, more or less, being a portion of a larger tract of land containing 1001 acres, more or less (the Payne property), conveyed

000034

unto Richard T. Goodwin and William T. Goodwin, t/a Goodwin Brothers Lumber Company, by Nellie L. Payne, widow, and John F. Payne, unmarried, by deed dated February 5, 1952, recorded in said Clerk's Office in Deed Book 153, page 137.

Together with a nonexclusive easement forty (40) feet in width leading from the property hereby conveyed in an easterly direction to State Secondary Route Number 614, said easement being an easement of travel for the benefit of the property hereby conveyed and for the benefit of other properties to which said easement is appurtenant, including the remainder of the Payne property.

LESS AND EXCEPT FROM THE HEREIN ABOVE DESCRIBED PARCELS ONE, TWO, THREE AND FOUR, the following:

ONE: all that certain tract or parcel of land situate, lying and being in Gordon Magisterial District, Orange County, Virginia, shown to contain 94.991 acres, more or less, on that certain plat of survey dated November 22, 2002, prepared by Stearns L. Coleman, L.S.P.C., which plat is recorded among the land records of the Clerk's Office of the Circuit Court of Orange County, Virginia, in Plat Cabinet J, page 2, together with that 50 foot wide right of way easement from the above-described tract or parcel of land to Virginia State Route 614, which is shown on said November 22, 2002 plat of survey;

AND

TWO: all that lot or parcel of land retained by William J. Meadows and Betty M. Meadows, which is lying and being situate in the Gordon District, of Orange County, Virginia, containing 4.1 acres, more or less, lying east of Virginia Route 611, approximately .38 miles north of Route 611's intersection with Rt. 602, and adjoining the property of Robert L. Lewis Jr. and Shirley T. Lewis, and beginning at the Northwest corner of the aforesaid property of Robert L. Lewis Jr. and Shirley T. Lewis and extending north 81° 19' 25" east 333 feet, thence south 17° 22' 37" west 536.46 feet, thence south 81° 19' 25" west 333 feet, thence north 17° 22' 37" east to the point of beginning, together with a non-exclusive fifty foot right of way easement for ingress and egress to and from Virginia Route 611, which right of way is located along, and to the north of, the entire length of the northern boundary of the above-described parcel of property and which extends along the northern boundary of those properties belonging to Robert L. Lewis, Jr. and Shirley T. Lewis and to Sallie A. Lewis.

BEING the same property conveyed to the Grantors herein by deed dated December 23, 2002 from William J. Meadows and Betty M. Meadows, which deed is recorded in the aforesaid Clerk's Office immediately prior hereto.

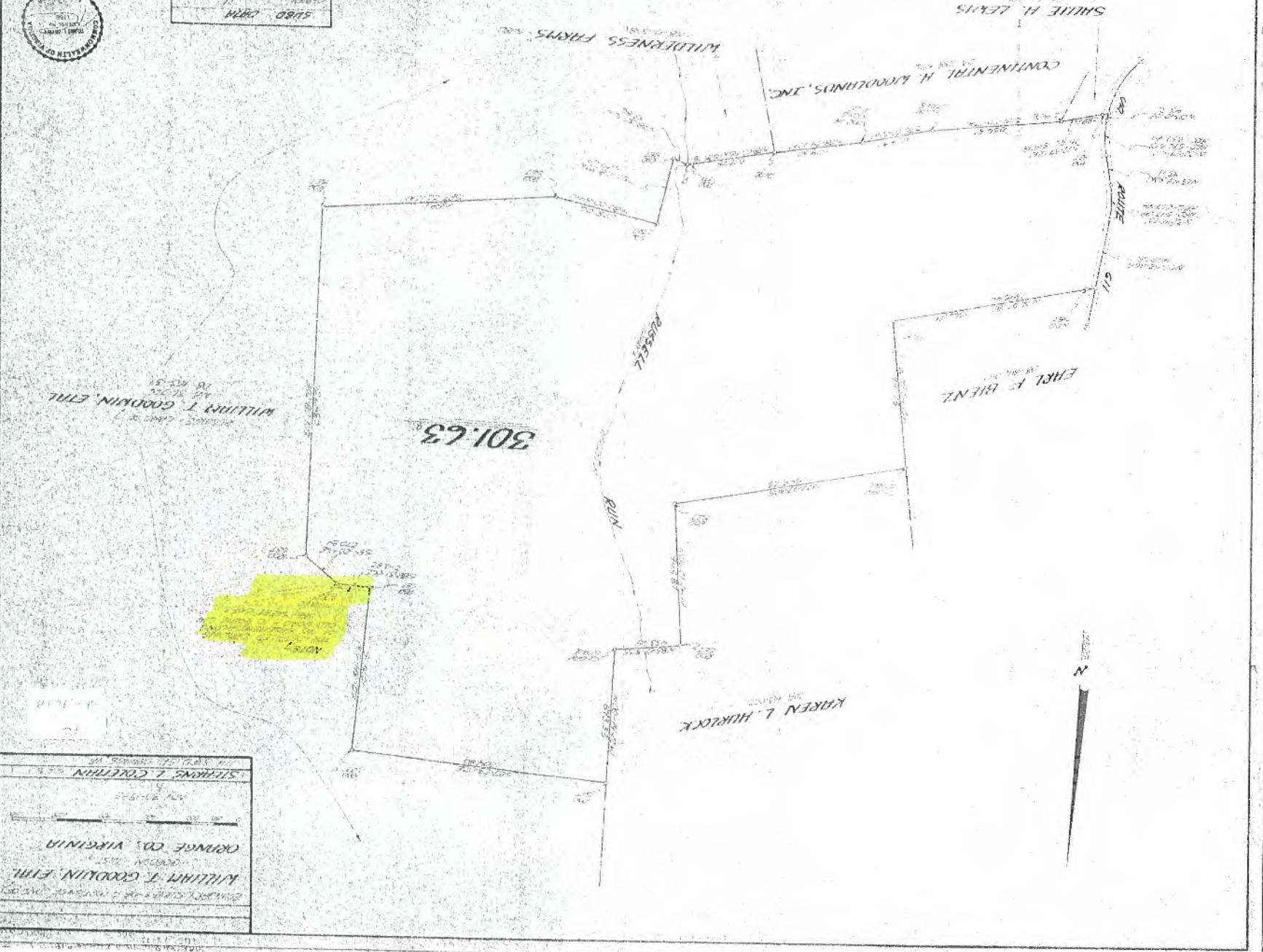
2021/02/20

0222



DATE	10/10/83
BY	W. T. GOODWIN
FOR	W. T. GOODWIN
REMARKS	5080 0222

NOTE: 1. 5080 0222 10/10/83 W. T. GOODWIN



WILLIAM T. GOODWIN, ETAL
ORANGE CO., VIRGINIA
5080 0222

ADJOINING LANDOWNERS

Civil War Trust

ORANGE COUNTY

Tax Map	Parcel #	Owner Name(s)
10	82	George Edward and Ruth M. Long
11	36A	James C. and Oneida H D Jenkins
	36N	James C. and Oneida H D Jenkins
	39	William H. and Celia D. Lynn
	39A	William H. and Celia D. Lynn
	40	Civil War Preservation Trust c/o Ruth Hudspeth
	41	Joan and Robert Prasse
	41B	Philip E. and Jean S. Madlin
	42A	David E. amd Karen Martin
	42B	Karen M. Martin
	42C	Ronald F. and Michelle L. Rollins
	42D	Cheri Lavone Gibbs
	43A	Sarah J. Griffin
	43B	Shawdell Green
	45	Civil War Preservation Trust c/o Civil War Trust
	46	Hilda B. Altman and Amy B. Altman
	47	Civial War Preservation c/o Civil War Trust
	48	Wayne Eastridge
	66	Stephen Teel Goodwin et. als.
	68	Stephen Teel Goodwin et. als.
11-5	13	Ricquitta S. Lacount
22	1	Kelsie Wayne Jones
	2	Billy D. and Sandra E. Critchfield
	2A	Billy D. and Sandra E. Critchfield
	3	Zoar Church
	4A	Charles R. Mumford and Elaine Bienz
	4C	Franklin L. Gentry Sr.

Tax Map	Parcel #	Owner Name(s)
22	4D	Robert L. Carter Jr.
	4E	Robert Lewis Carter
	4F	Michael Baldwin
	4G	Devin B. and Katie Van Lieu
	31	Carolyn M. McCarty
	57B	John William Jr. and Deborah M. Gentry
	65	Civil War Preservation Trust c/o Civil War Trust
	65A	Dayton J. Watkins
	65B	Shirley T. Lewis
	66	David V. Kerr and Teresa D. Aldred Kerr
	68	Theresa A. Carter
22-5	1	Jason A. Krista G. Ehlert
	32	Bruce W. and Cheryl A. Valade
	33	William Hajnosz and Joyce M. Hajnosz
	34	Donna Jo. Laprade Fraleigh
22-6	10	Robert M. and Elizabeth Ross

Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1" = 660 ft.

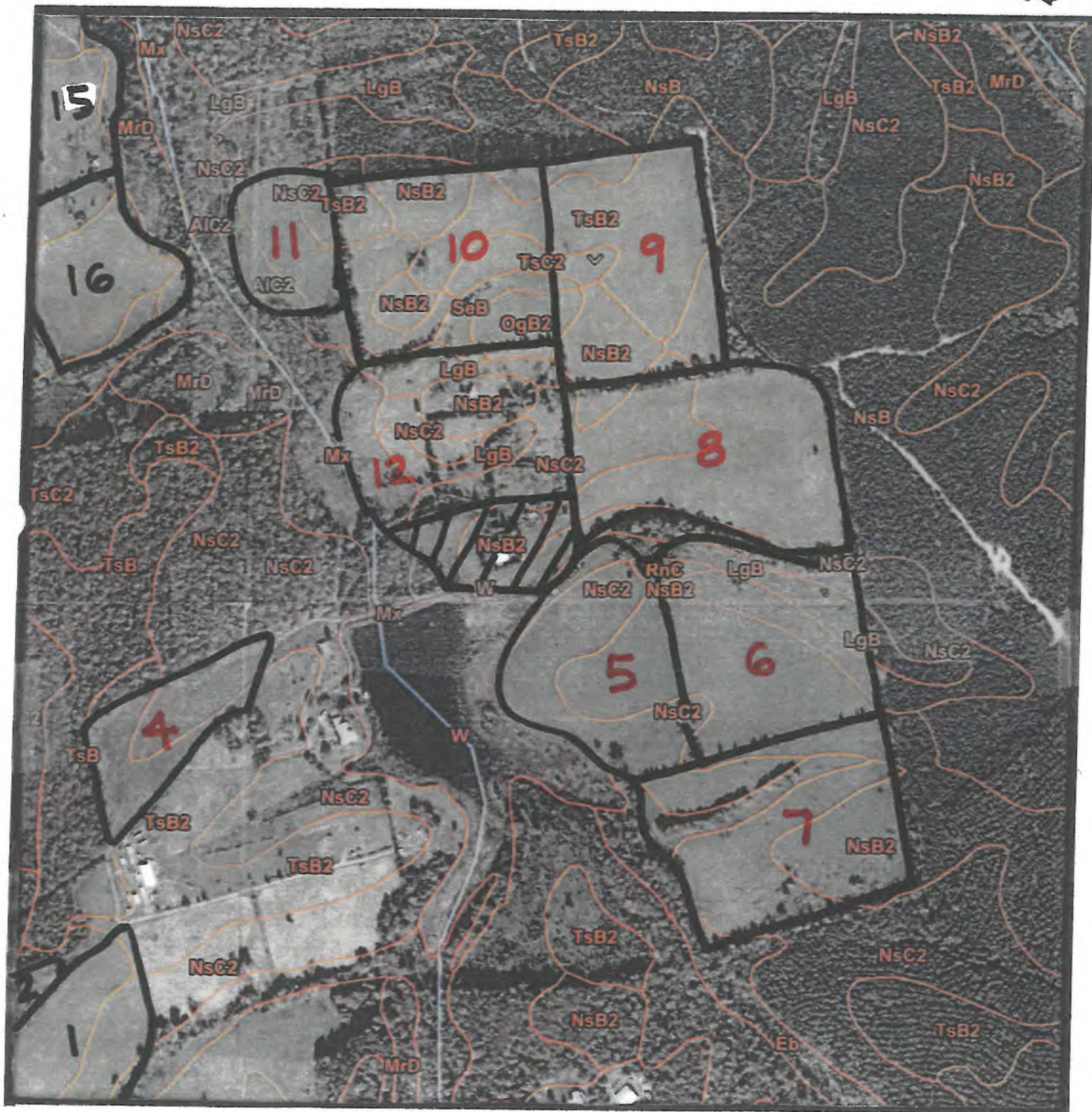
ORCWT 1-4, 12

SOIL MAP

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Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale:

1" = 660 ft.

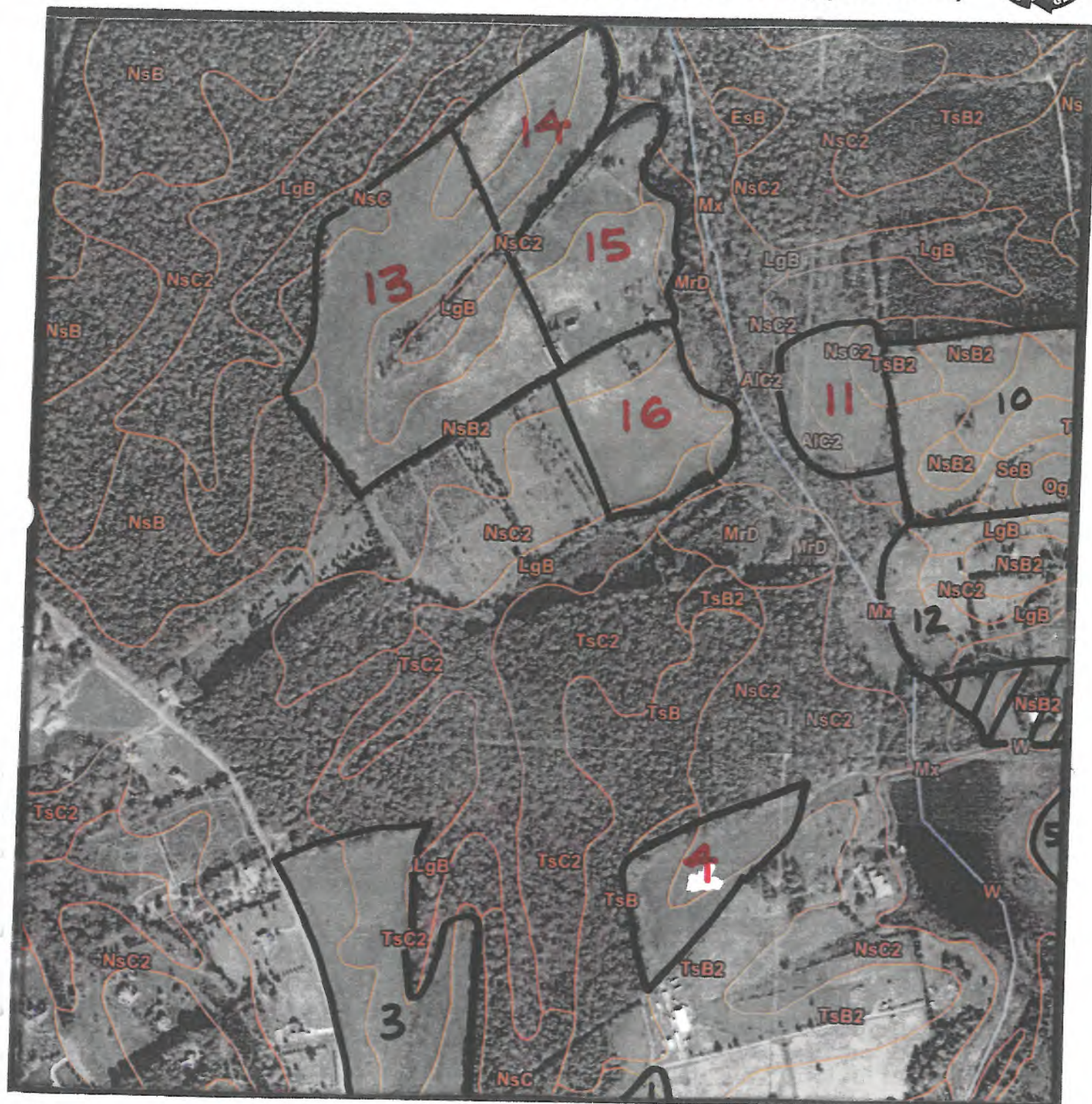
ORCWT 1-16

SOIL MAP

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Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1" = 660 ft.

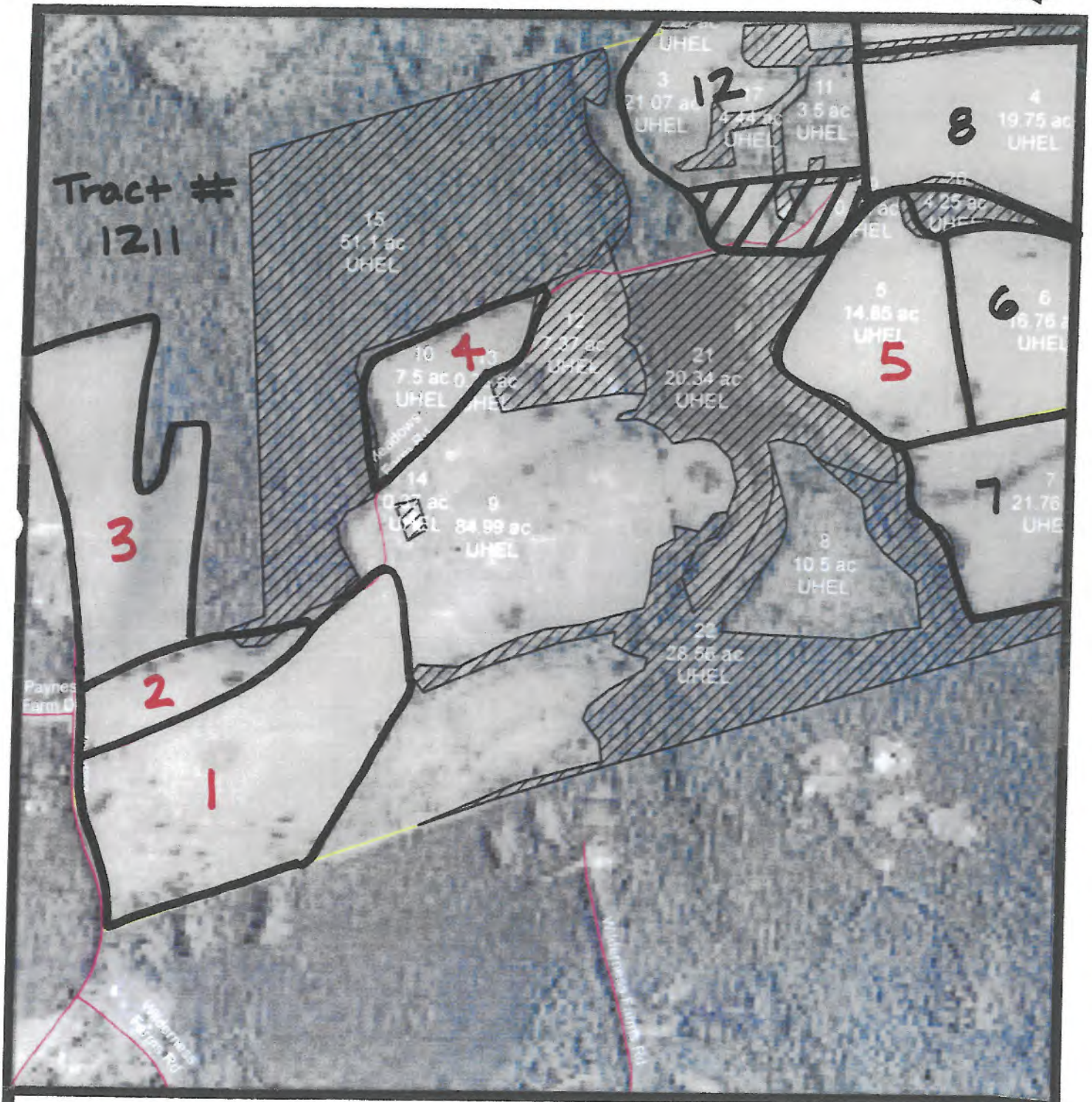
ORCWT 4, 11, 13-16

SOIL MAP

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Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1" = 660 ft.

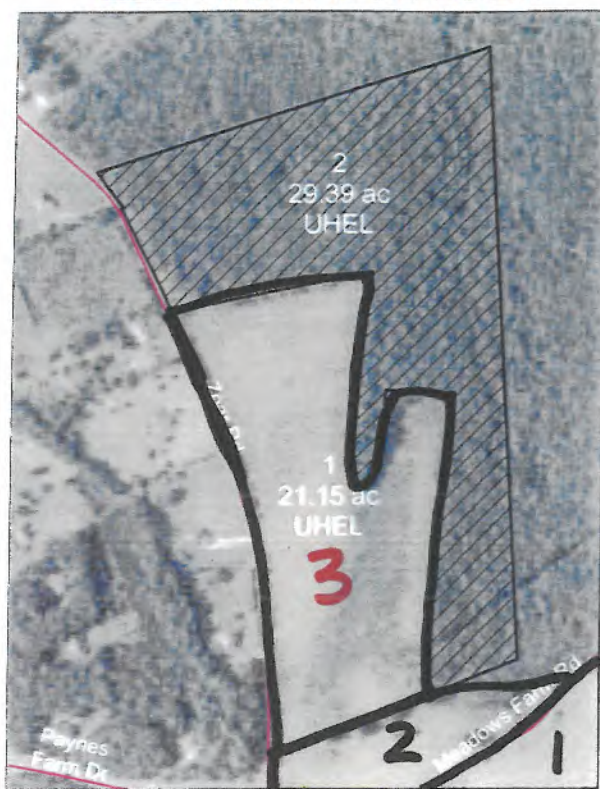
ORCWT 1-5

AERIAL MAP





USDA AGRICULTURE



FSN 983 T1212

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original

Scale: 1" = 660 ft.

ORCWT 3

AERIAL MAP

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Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale:

1" = 660 ft.

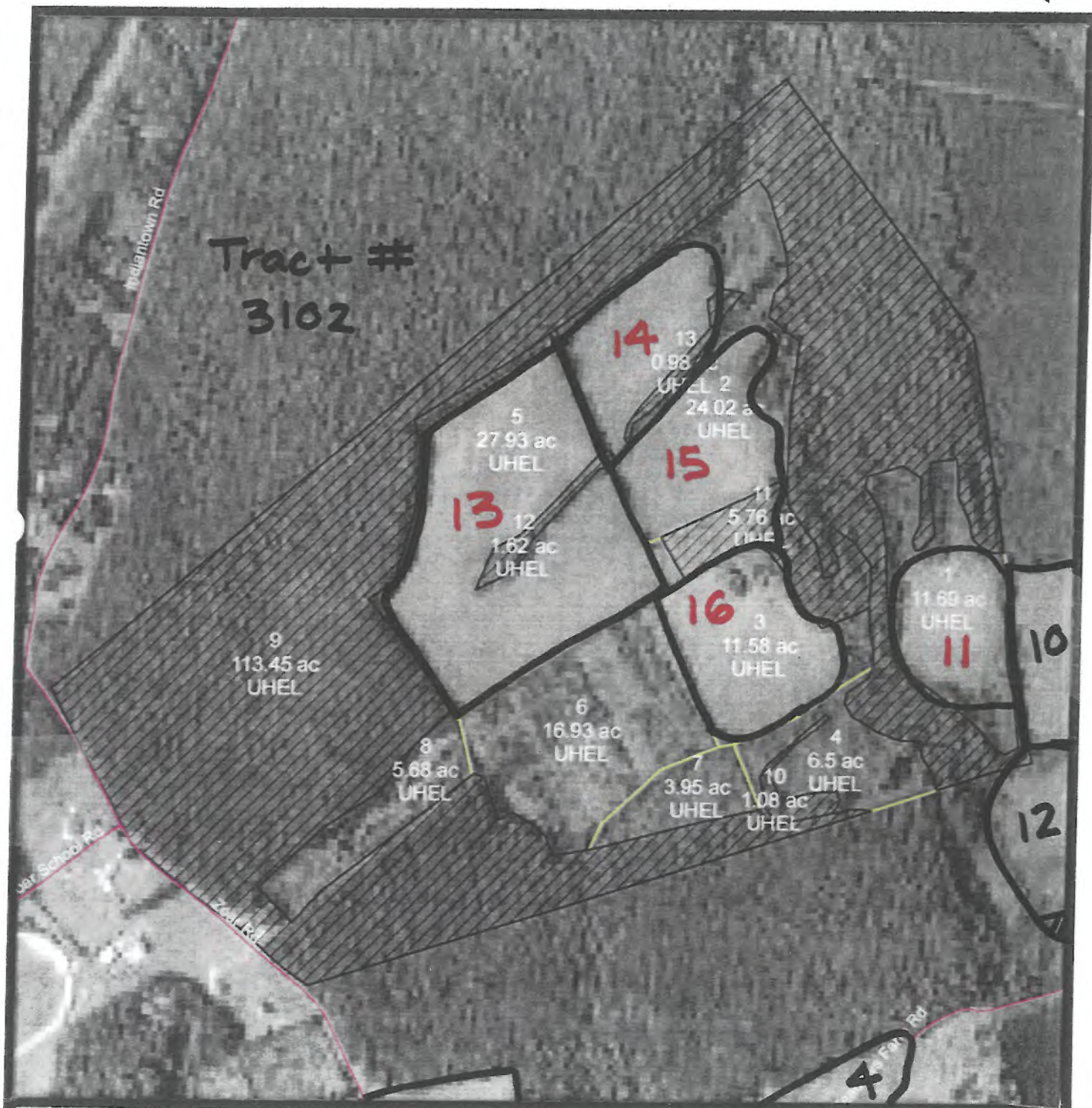
ORCWT 4-12, 16

AERIAL MAP

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Recyc SystemsTM Inc.

(Biosolids Land Application)



















Scale: 1" = 660 ft.

ORCWT 11, 13-16

AERIAL MAP

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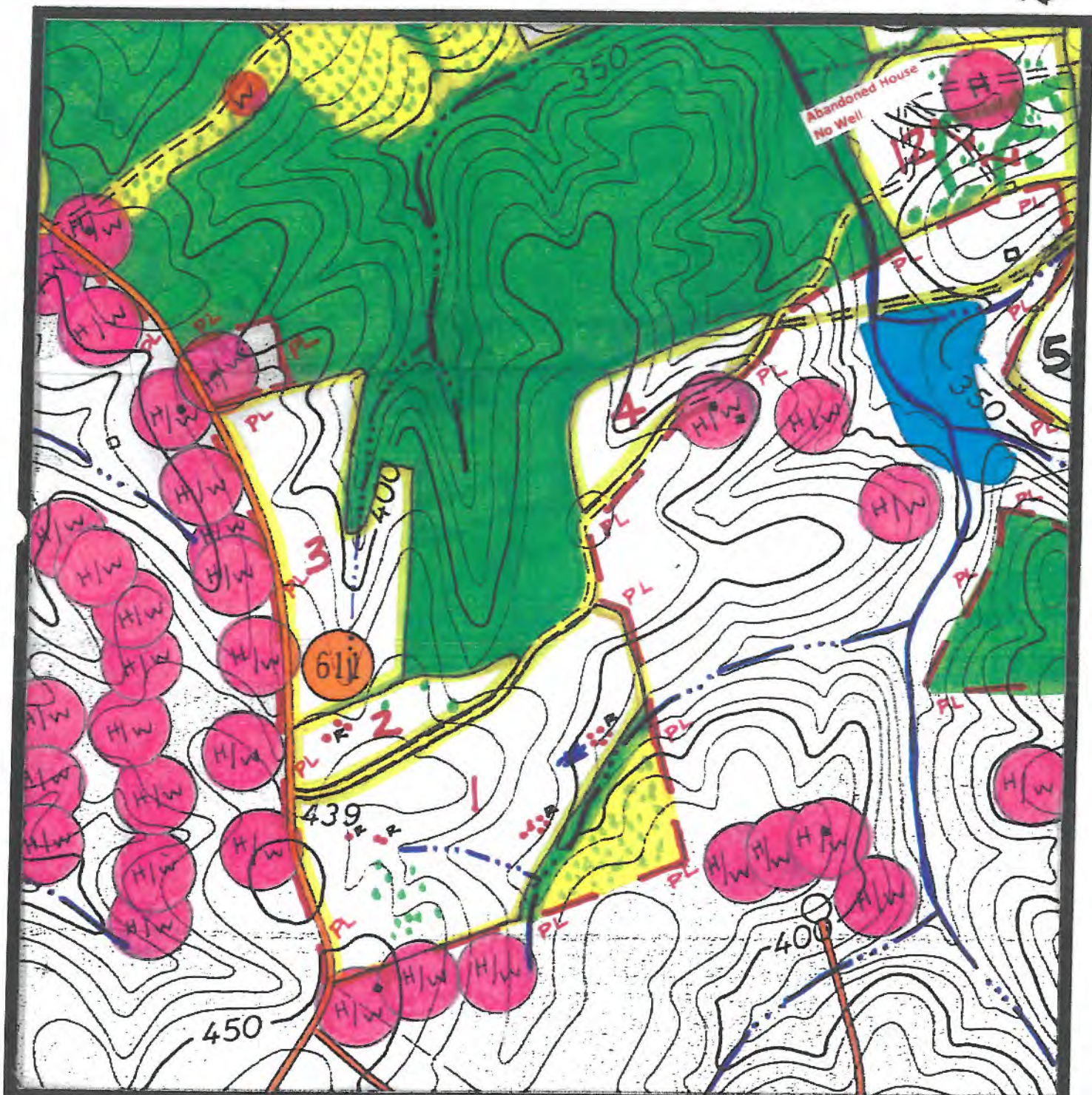
Legend For Site Plan

Symbol	Feature	Minimum Setback
	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs
 	Well or Spring	100 feet from water supply wells or springs
	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer
	Wet Spot	
	Trees and Woods	
	Private Drive	
	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops
	Severely Eroded Spot	18 Inch minimum depth of soil
	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes
	State Road	10 feet from side of roadway
	Fence / Field Boundary	
	Property Line	100 feet from property line *
	Slope	15% maximum
	Frequent Flooded Soil	
	Hashed out Area	No application

*Buffer can be reduced or waived upon written consent from landowner.

Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1" = 660 ft.

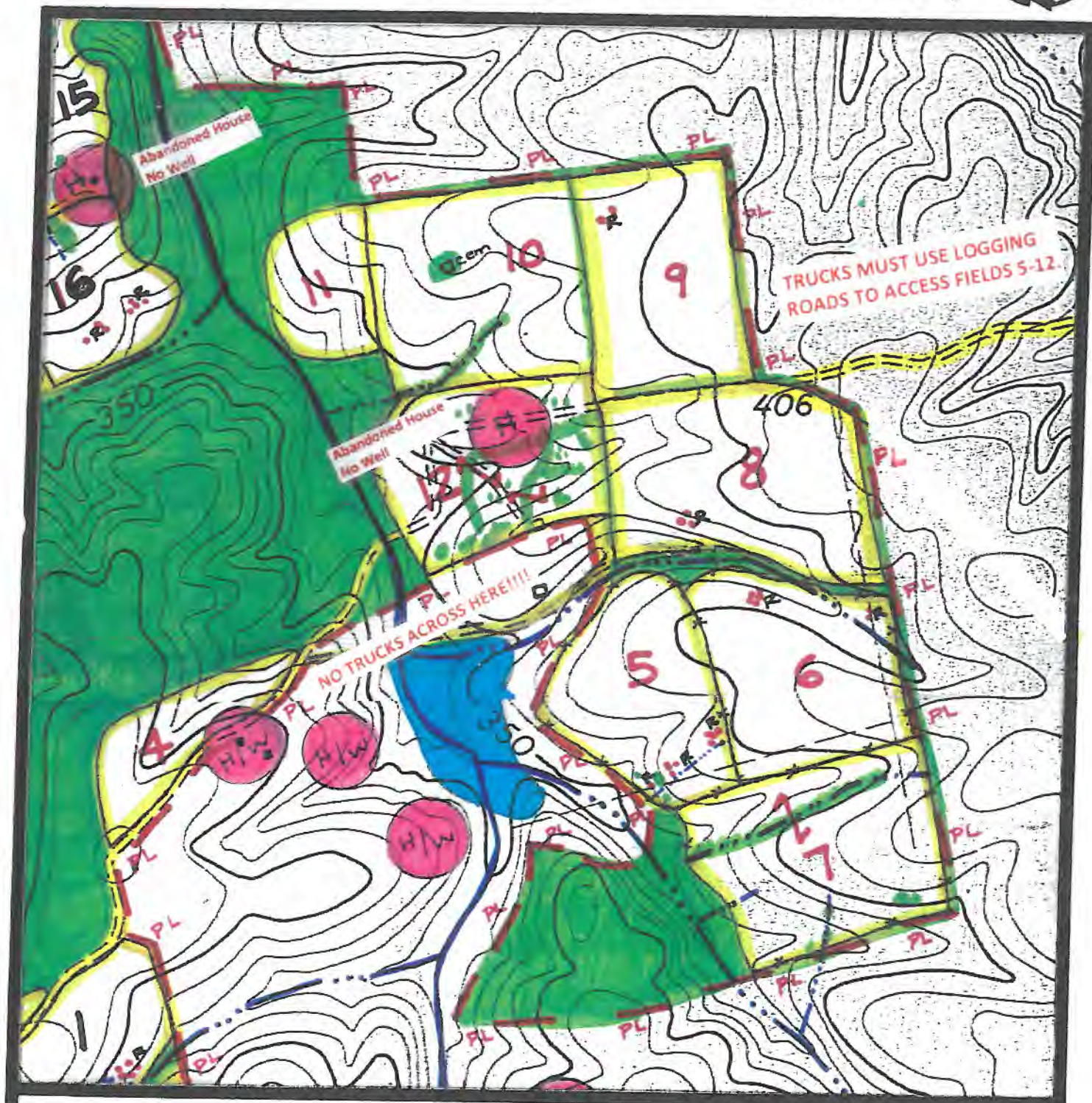
ORCWT 1-4, 12

SITE PLAN

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Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1" = 660 ft.

ORCWT 4-12

SITE PLAN



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1" = 660 ft.

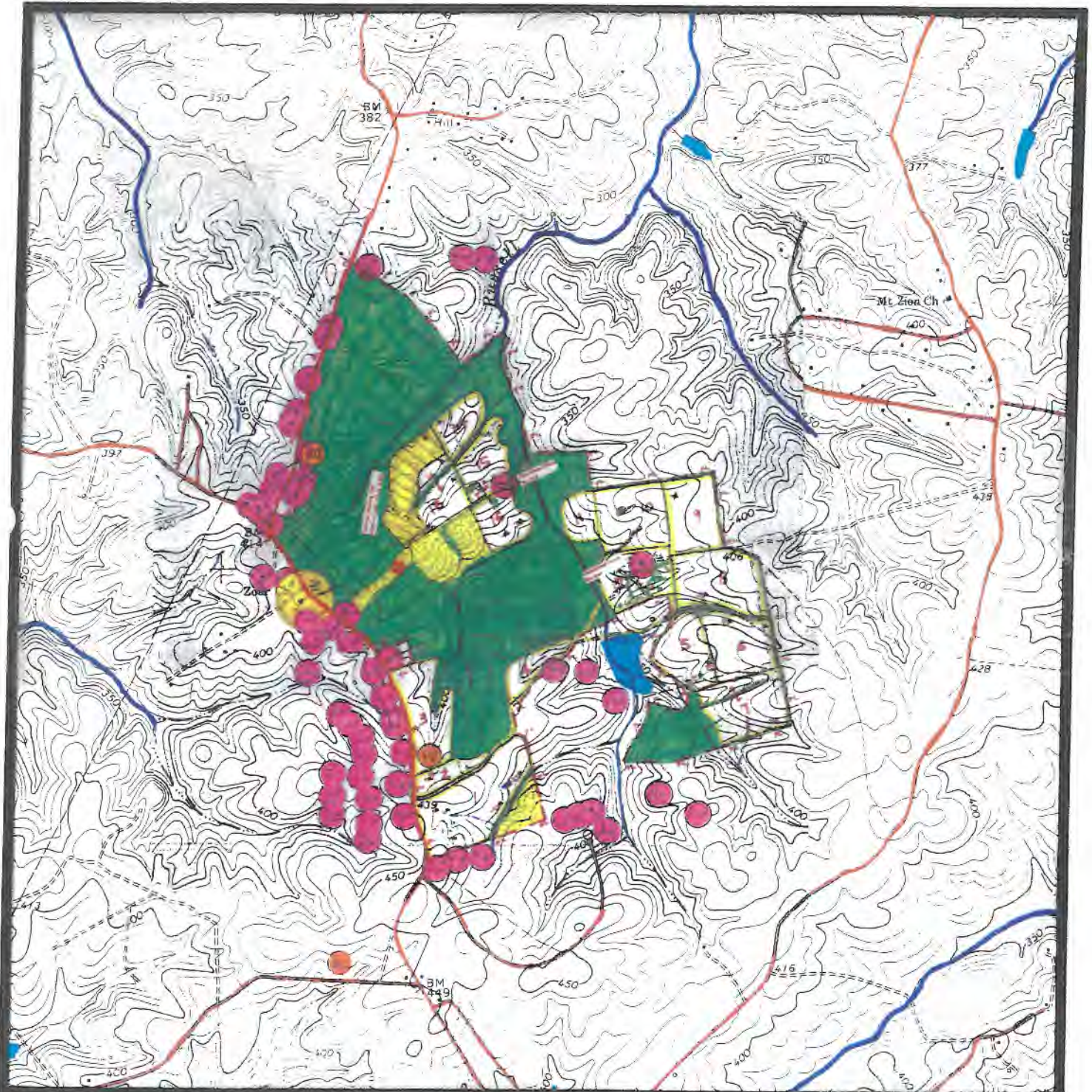
ORCWT 11, 13-16

SITE PLAN

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Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1" = 2000 ft.

ORCWT 1-16

TOPOGRAPHIC MAP

